

### **ABSTRACT**

A method for driving an electric percussion tool which includes a solenoid, a plunger core partially engaged in one end of the solenoid, and a spring disposed out of the solenoid and closer to  
5 the other end of the solenoid and distal to the plunger core. The solenoid is energized to draw the plunger core from one end to the middle of the solenoid, and selectively de-energized to allow the plunger core to force against the spring member. The solenoid is energized and de-energized again to move the plunger core toward  
10 the middle portion and then to move in the driving direction in addition to the spring biasing force applied by the spring member.